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Visual program navigation system based on spatial distribution of color.

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Abstract
> This paper presents a visual program navigation system using our proposals for **MPEG–7**, these are
> adopted as **MPEG–7** XM. **MPEG–7** supports two levels of description, a low–level and a high–level. The
> former is designed to capture signal processing based features, and the latter is intended to represent
> semantic features. We show an implementation example of a personalized digital recorder (PDR)
> application, which uses both levels. It uses a color layout **descriptor** for image retrieval. The image
> retrieval efficiency is quite high in spite of its high–speed retrieval with low cost description. A content
> personalization interface is also implemented using a set of meta information and provides a variety of
> content visualization functions.

Descriptors
> CONTENT–BASED–RETRIEVAL; IMAGE–COLOUR–ANALYSIS; SEARCH–ENGINES;
> TELECOMMUNICATION–STANDARDS; VISUAL–DATABASES.

Classification codes
> B6135 **Optical**–image–and–video–signal–processing*;
> C7250N Search–engines*;
> C6160S Spatial–and–pictorial–databases;
> C7250R Information–retrieval–techniques.

Keywords
> visual–program–navigation–system; color–spatial–distribution; **MPEG**–7;
> **MPEG**–7–XM; low–level–description; high–level–description; signal–
> processing–based–features–capture; **semantic**–features–representation;
> personalized–digital–recorder; **color**–layout–descriptor; image–
> retrieval–efficiency; high–speed–retrieval; low–cost–description;
> content–personalization–interface; meta–information; content–
> visualization; generic–image–search–engine.

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Search Strategy

No.	Database	Search term	Info added since	Results
1	**INZZ**	**mpeg–7 AND descriptor AND representation AND video**	**unrestricted**	**10**

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